

**CALCULATION OF SENSOR ARRAY INDUCED PHASE ANGLE INDEPENDENT
FROM DEMODULATION PHASE OFFSET OF PHASE GENERATED CARRIER**

ABSTRACT

A sensor array employs a parameter to induce a time-varying phase angle ϕ on an
5 optical signal that comprises a phase generated carrier with a demodulation phase offset β .
The phase angle ϕ is calculated independently of the demodulation phase offset β .